



CLIENT: DASSO USA
6060 Boat Rock Blvd. SW, Suite 800
Atlanta, GA 30336

Project No: 20-2258

Report Date: May 7, 2021

SAMPLE ID: Series: DassoXTR Fused Bamboo Decking

SAMPLE DESCRIPTION: 0.8" thick; See page 3 and 10 for full description.

SAMPLING DETAIL: Test samples were witnessed at the location of manufacture in Xiandai Zhuchanye Yuanqu, Gaobu Town, Gaobu Town, Zixi Country, Fuzhou City, Jiangxi Province China by QAI personnel Fey Han on July 31, 2020.

DATE OF RECEIPT: Samples were received at the FTL Miami Laboratory on March 29, 2021

TESTING PERIOD: January 20, 2022

TESTING LOCATION: Fenestration Testing Laboratory (FTL) – Miami, Florida, USA

AUTHORIZATION: Proposal 21JL08111r1, signed by Avery Chua, dated August 19, 2021.

TEST PROCEDURE: Testing to the following requirements:

- ASTM E330-14 Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference

TEST RESULTS: The bamboo decking achieved passing results found within this test report when tested in accordance with the ASTM E330.

CONTENTS: Test report pages 1 through 17.

Prepared By

Lusinda Delgado

Lusinda Delgado
Technical Report Writer

**Signed for and on behalf of
Fenestration Testing Laboratory**

Jose Sanchez
Jose Sanchez
Operation Manager

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Table of Contents

Samples A-1, A-2 and A-3		Page	Rev
Description of Test Sample		3	
Decking		3	
Sample Installation		3	
Results Sample A-1			
Load Test Negative	ASTM E330	3-5	
Results Sample A-2			
Load Test Negative	ASTM E330	6-7	
Results Sample A-3			
Load Test Negative	ASTM E330	8-9	
Samples B-1, B-2 and B-3			
Description of Test Sample		10	
Decking		10	
Sample Installation		10	
Results Sample B-1			
Load Test Negative	ASTM E330	10-12	
Results Sample B-2			
Load Test Negative	ASTM E330	13-14	
Results Sample B-3			
Load Test Negative	ASTM E330	15-16	
Appendix A		17	
Revision Table		17	
Notes Table		17	
Remarks table		17	

Technician:
Jose Sanchez

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DESCRIPTION OF SAMPLE	
Model Designation:	1" x 6" x 0.8" DassoXTR Fused Bamboo Decking Classic Expresso with Hidden Clips
Overall Size:	8'-0" (96") x 4'-0" (48") wide
Samples A-1, A-2 and A-3	

Decking
2x6 yellow pine wood joist spaced 24" on center.

Sample Installation
The bamboo decking was installed to the wood joist using a metallic **Panda Claw hidden clip at each joist location. The hidden clips were fastened to the joist using one No. 7 x 1 3/4" flat head stainless steel wood screw.

Sample: A-1	Temperature: 78.1°F	Barometric Reading: 30.05 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	20.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.018"	None	Passed	

Sample: A-1	Temperature: 78.1°F	Barometric Reading: 30.05 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	40.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.029"	None	Passed	

Sample: A-1	Temperature: 78.1°F	Barometric Reading: 30.05 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	60.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.043"	None	Passed	

Sample: A-1	Temperature: 78.1°F	Barometric Reading: 30.05 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	80.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.079"	None	Passed	

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Sample: A-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		100.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.096"	None	Passed	

Sample: A-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.121"	None	Passed	

Sample: A-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		140.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.138"	0.002"	Passed	

Sample: A-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		160.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.156"	0.005"	Passed	

Sample: A-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.170"	0.006"	Passed	

Sample: A-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		200.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.195"	0.008"	Passed	

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Sample: A-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		220.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.218"	0.010"	Passed	

Sample: A-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		240.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Deck board edge broke at the Panda Clip at 232.0 psf

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Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		20.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.021"	None	Passed	

Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		40.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.026"	None	Passed	

Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		60.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.039"	None	Passed	

Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		80.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.053"	None	Passed	

Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		100.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.064"	None	Passed	

Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.080"	None	Passed	

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Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		140.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.115"	0.001"	Passed	

Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		160.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.135"	0.003"	Passed	

Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.162"	0.004"	Passed	

Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		200.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.190"	0.006"	Passed	

Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		220.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.208"	0.008"	Passed	

Sample: A-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		240.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Deck board edge broke at the Panda Clip at 238.0 psf

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Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		20.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.030"	None	Passed	

Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		40.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.042"	None	Passed	

Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		60.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.056"	None	Passed	

Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		80.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.063"	None	Passed	

Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		100.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.085"	None	Passed	

Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.110"	0.001"	Passed	

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Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		140.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.126"	0.002"	Passed	

Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		160.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.155"	0.005"	Passed	

Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.180"	0.006"	Passed	

Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		200.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.193"	0.008"	Passed	

Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		220.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.229"	0.009"	Passed	

Sample: A-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		240.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Deck board edge broke at the Panda Clip at 236.0 psf

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DESCRIPTION OF SAMPLE	
Model Designation:	1" x 6" x 0.8" DassoXTR Fused Bamboo Decking Epic Cognac with Hidden Clips
Overall Size:	8'-0" (96") x 4'-0" (48") wide
Samples B-1, B-2 and B-3	

Decking
2x6 yellow pine wood joist spaced 24" on center.

Sample Installation
The bamboo decking was installed to the wood joist using a metallic **Panda Claw hidden clip at each joist location. The hidden clips were fastened to the joist using one No. 7 x 1 3/4" flat head stainless steel wood screw.

Sample: B-1	Temperature: 78.1°F	Barometric Reading: 30.05 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	20.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.018"	None	Passed	

Sample: B-1	Temperature: 78.1°F	Barometric Reading: 30.05 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	40.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.033"	None	Passed	

Sample: B-1	Temperature: 78.1°F	Barometric Reading: 30.05 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	60.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.052"	None	Passed	

Sample: B-1	Temperature: 78.1°F	Barometric Reading: 30.05 inches Hg		
Title of Test	Pressure	Notes		
Load Test Negative Load	80.0 psf			
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.068"	None	Passed	

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Sample: B-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		100.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.089"	None	Passed	

Sample: B-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.118"	None	Passed	

Sample: B-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		140.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.135"	0.002"	Passed	

Sample: B-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		160.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.168"	0.003"	Passed	

Sample: B-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.189"	0.005"	Passed	

Sample: B-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		200.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.202"	0.006"	Passed	

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Sample: B-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		220.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.231"	0.007"	Passed	

Sample: B-1	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		240.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Deck board edge broke at the Panda Clip at 231.0 psf

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Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		20.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.015"	None	Passed	

Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		40.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.026"	None	Passed	

Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		60.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.042"	None	Passed	

Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		80.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.059"	None	Passed	

Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		100.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.088"	None	Passed	

Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.096"	None	Passed	

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Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		140.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.115"	0.001"	Passed	

Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		160.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.129"	0.003"	Passed	

Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.156"	0.005"	Passed	

Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		200.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.189"	0.006"	Passed	

Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		220.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.209"	0.008"	Passed	

Sample: B-2	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		240.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Deck board edge broke at the Panda Clip at 238.0 psf

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Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		20.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.023"	None	Passed	

Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		40.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.042"	None	Passed	

Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		60.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.059"	None	Passed	

Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		80.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.068"	None	Passed	

Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		100.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.086"	None	Passed	

Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		120.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.102"	None	Passed	

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Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		140.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.133"	0.003"	Passed	

Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		160.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.151"	0.005"	Passed	

Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		180.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.168"	0.006"	Passed	

Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		200.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.191"	0.009"	Passed	

Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		220.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	0.215"	0.011"	Passed	

Sample: B-3	Temperature:	78.1°F	Barometric Reading: 30.05 inches Hg	
Title of Test		Pressure	Notes	
Load Test Negative Load		240.0 psf		
See Appendix A				
Reading#	Deflection	Permanent Set	Results	Add. Info
1	n/a	n/a	Failed	Deck board edge broke at the Panda Clip at 223.0 psf

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